

CLAIMS

What is claimed is:

1. A pressurized fluid nozzle assembly comprising:
- a system carrier;
- a connection for coupling said system carrier to a hose configured to be
- coupled to a source for pressurized fluid;
- an adjustable fluid pressure reducing valve mounted in said system carrier,
- said pressure reducing valve comprising:
- a tilt valve formed with a valve disk which is formed with a first
- pressure reducing area; and
- a regulating member having a second pressure reducing area;
- whereby said first and second pressure reducing areas combine to
- function as said fluid pressure reducing valve; and
- a regulating sleeve coupled to said system carrier, said regulating sleeve being
- coupled to said adjustable pressure reducing valve for controlling fluid flow through
- said assembly.

2. A pressurized fluid nozzle assembly comprising:
- a system carrier;
- a hose connection for coupling said system carrier to a source of pressurized
- fluid;
- an adjustable fluid pressure reducing valve mounted in said system carrier,
- said pressure reducing valve comprising:

an insert formed with a sealing element;

8 a regulating member; and

a regulating sleeve;

10 whereby said sealing element, said regulating member and said regulating sleeve combine to function as said adjustable fluid pressure reducing valve.

✓ 3. The nozzle assembly recited in claim 1 or 2, wherein said regulating member and said regulating sleeve are configured so that they are displaceable with respect to said system carrier to thereby control said fluid pressure reducing valve.

✓ 4. The nozzle assembly recited in claim 1 or 2, wherein said regulating member and said regulating sleeve are configured for connection and for support of said hose for the supply of pressurized fluid.

/ 5. The nozzle assembly recited in claim 1 or 2, wherein said hose connection is configured to function as a pressure reducing valve.

✓ 6. The nozzle assembly recited in claim 1 or 2, wherein:
2 said compressed air hose is inserted between said regulating member and said regulating sleeve; and

4 said regulating member is inserted with a seal into said system carrier where it is locked in position by a connecting sleeve which is screwed into said system carrier.

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✓ 7. The nozzle assembly recited in claim 6, wherein said connecting sleeve
2 is configured to be inserted into said system carrier and together with a clamping
piece it is designed for connection and support of said hose for the supply of the
4 pressurized fluid.

✓ 8. The nozzle assembly recited in claim 1 or 2, wherein said assembly has
2 a permanently connected hose socket formed with a compressed air shield integrated
into said hose socket.

φ 9. The nozzle assembly recited in claim 8, and further comprising a
2 connection for an automotive air pressure gauge integrated into said hose socket.

✓ 10. The nozzle assembly recited in claim 8, wherein said hose socket is
2 formed with means to protect against accidental contact.

φ 11. The nozzle assembly recited in claim 8, and further comprising
2 an outer sleeve surrounding said system carrier, said system carrier and outer sleeve
together accommodate the lower portion of said hose socket between them.

12. The nozzle assembly recited in claim 8, and further comprising:
2 an outlet valve;
said hose socket having a lower section configured to attach to said system
4 carrier, a middle section with a finger rest and/or a finger guard for operation of said

outlet valve, and an upper section with a tip which has a central outlet nozzle for the
6 pressurized medium.

✓ 13. The nozzle assembly recited in claim 12, wherein said finger rest has
2 an integrally molded ring flange.

⌀ 14. The nozzle assembly recited in claim 1 or 2, and further comprising:
2 a central outlet nozzle; and
a ring nozzle around said central outlet nozzle, said ring nozzle being
4 configured to produce an air shield.

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⌀ 15. The nozzle assembly recited in claim 14, and further comprising:
2 a tip in said central outlet nozzle; and
a ring projection which projects beyond said tip is mounted between said
4 central outlet nozzle and said ring nozzle and serves to provide protection against
accidental contact, said ring projection being configured to accommodate the
6 connection of a conventional automotive tire air pressure gauge.

⌀ 16. The nozzle assembly recited in claim 1 or 2, and further comprising:
2 pneumatic safety shield means; and
a removable extension tube integrated with said safety shield.

⌀ 17. The nozzle assembly recited in claim 16, and further comprising:
2 a hose socket;

- wherein said extension tube is provided with a collar on the pressurized fluid
- 4 end which prevents unintentional loosening of said extension tube after being inserted into said hose socket and allows it to be loosened from said hose socket when a
 - 6 greater force is applied.

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